Student Name:_____ ID # _____

Advisor Name: _____ Anticipated Graduation Date: _____

CHEMISTRY MINOR/CONCENTRATION CHECKLIST (26/32 s.h.)

2025-26 Academic Calendar

Minor: Course Requirements (26 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
	CHEM 111*	3	Or CHEM 103 & 104 or CHEM 103 & 112.		CHEM _____	3	
	CHEM 112*	3			CHEM _____	3	At least 9 s.h. must be 300- or 400-level.**
	CHEM 221	3			CHEM _____	3	
	CHEM 230	3			CHEM _____	3	

Minor: Ancillary Requirements (3 s.h.)

✓	COURSE	S.H.	NOTES
	NATS 482	3	Required only if (a) this is a second minor within the Faculty of Natural and Applied Sciences, and (b) the student is not also completing a major or concentration within FNAS.

*Includes a one semester-hour lab as a co-requisite. CHEM 198 is the co-requisite for 103 & 111, CHEM 199 the co-requisite for 104 & 112.

**Neither CHEM 372 nor CHEM 386 may be applied towards a Minor in Chemistry.

Concentration: Course Requirements (32 s.h.)

✓	COURSE	S.H.	NOTES	✓	COURSE	S.H.	NOTES
	CHEM 111*	3	Or CHEM 103 & 104 or CHEM 103 & 112.		CHEM 240	3	
	CHEM 112*	3			CHEM 357	3	
	CHEM 221	3			CHEM _____	3	Must be 300- or 400-level.**
	CHEM 222	3			CHEM _____	3	
	CHEM 230	3			CHEM _____	3	

Concentration: Ancillary Requirements (3 s.h.)

✓	COURSE	S.H.	NOTES
	NATS 482	3	Required only if the student is not also completing a major or another concentration within the Faculty of Natural and Applied Sciences, as that already requires NATS 481, 483, or 484.

*Includes a one semester-hour lab as a co-requisite. CHEM 198 is the co-requisite for 103 & 111, CHEM 199 the co-requisite for 104 & 112.

**Neither CHEM 372 nor CHEM 386 may be applied towards a Concentration in Chemistry.

NOTES:

- Not including NATS 482, a total of 26 s.h., including a minimum of 9 s.h. of upper-level credit, is required to complete a Minor, and a total of 32 s.h. of credit, including a minimum of 12 s.h. of upper-level credit is required to complete a Concentration. Students must have a minimum overall (cumulative) GPA of 2.0.
- You must complete an Application for Graduation via the Student Portal and submit a copy of your filled in program checklist(s) (i.e. this document) to the Office of the Registrar by April 30 of the year prior to your completion. For more information on the graduation process, please visit twu.ca/graduation.

THIS CHECKLIST IS INTENDED TO ASSIST STUDENTS AND ADVISORS IN ENSURING THAT ALL REQUIREMENTS ARE MET. IT IS THE RESPONSIBILITY OF THE **STUDENT** TO MEET ALL REQUIREMENTS.

April 2025

Minor in *Chemistry* - 4 Year Plan

2025-2029

YEAR 1		
✓	s.h.	Fall
	4	CHEM 111[1]
Semester Total: 4		

YEAR 2		
✓	s.h.	Fall
	3	CHEM 240
Semester Total: 3		

YEAR 3		
✓	s.h.	Fall
	3	CHEM[2]
Semester Total: 3		

YEAR 4		
✓	s.h.	Fall
	3	CHEM[2]
Semester Total: 3		

YEAR 1		
✓	s.h.	Spring
	4	CHEM 112[1]
Semester Total: 4		

YEAR 2		
✓	s.h.	Spring
	3	CHEM 230
Semester Total: 3		

YEAR 3		
✓	s.h.	Spring
	3	CHEM[2]
Semester Total: 3		

YEAR 4		
✓	s.h.	Spring
	3	CHEM[2]
Semester Total: 3		

COURSE LEGEND

- Core Courses
- Required Courses

1. Or CHEM 103, 104 or CHEM 103, 112. Includes corequisite lab.

- Required + Core Courses
- Ancillary Courses
- Ancillary + Core Courses
- Electives

2. Choose any CHEM course. Note that at least 9 s.h. must be at the 300- or 400-level, and that neither CHEM 372 nor 386 may be applied to a minor in Chemistry.

Summer Sessions are encouraged to reduce workload and/or retake courses.

This is an example of what a 4-year degree plan might look like. It is not the official program checklist. In the case of any discrepancy between this program plan and the checklist, the checklist shall prevail. It is the student's responsibility to ensure they complete all program requirements as laid out in the approved checklist.

Concentration in *Chemistry* - 4 Year Plan

2025-2029

YEAR 1		
✓	s.h.	Fall
	4	CHEM 111[1]
Semester Total: 4		

YEAR 2		
✓	s.h.	Fall
	3	CHEM 221
	3	CHEM 230
Semester Total: 6		

YEAR 3		
✓	s.h.	Fall
	3	CHEM 357
Semester Total: 3		

YEAR 4		
✓	s.h.	Fall
	3	CHEM[2]
Semester Total: 3		

YEAR 1		
✓	s.h.	Spring
	4	CHEM 112[1]
Semester Total: 4		

YEAR 2		
✓	s.h.	Spring
	3	CHEM 222
	3	CHEM 240
Semester Total: 6		

YEAR 3		
✓	s.h.	Spring
	3	CHEM[2]
Semester Total: 3		

YEAR 4		
✓	s.h.	Spring
	3	CHEM[2]
Semester Total: 3		

COURSE LEGEND

Core Courses

Required Courses

Required + Core Courses

1. Or CHEM 103, 104 or CHEM 103, 112. Includes corequisite lab.

Ancillary Courses

Ancillary + Core Courses

Electives

2. Choose 9 s.h. of 300- or 400-level CHEM courses. Note that neither CHEM 372 nor 386 may be applied to a concentration in Chemistry.

Summer Sessions are encouraged to reduce workload and/or retake courses.

This is an example of what a 4-year degree plan might look like. It is not the official program checklist. In the case of any discrepancy between this program plan and the checklist, the checklist shall prevail. It is the student's responsibility to ensure they complete all program requirements as laid out in the approved checklist.